

FIGURE 1

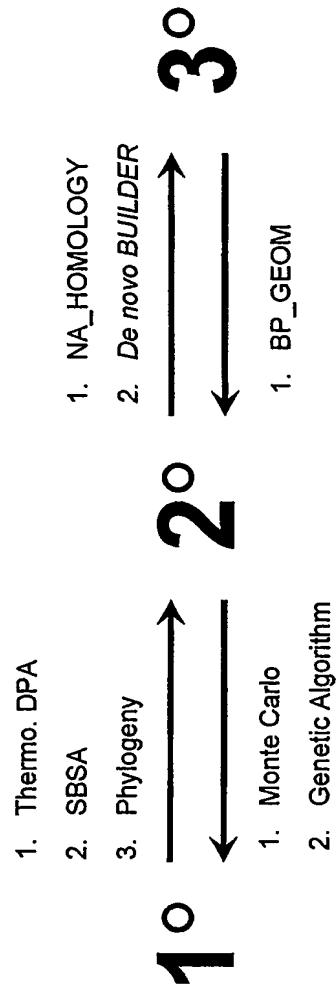


FIGURE 2

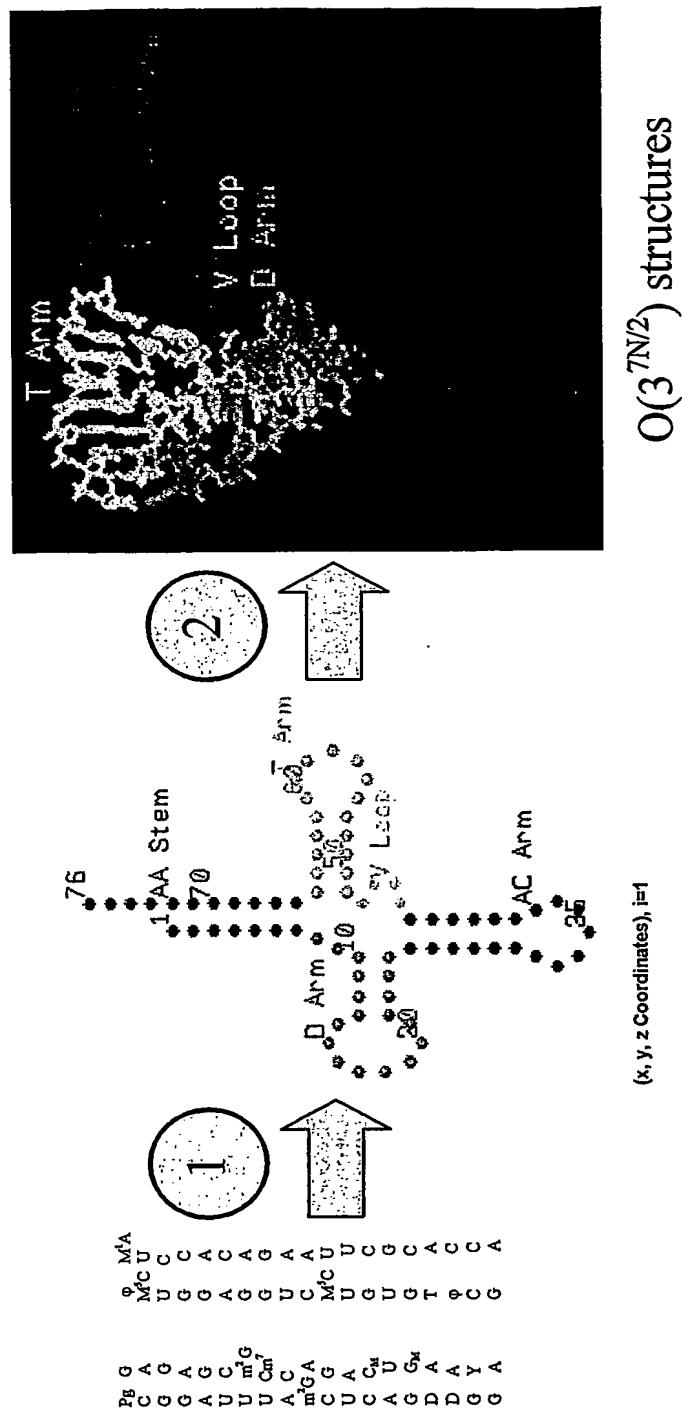


FIGURE 3

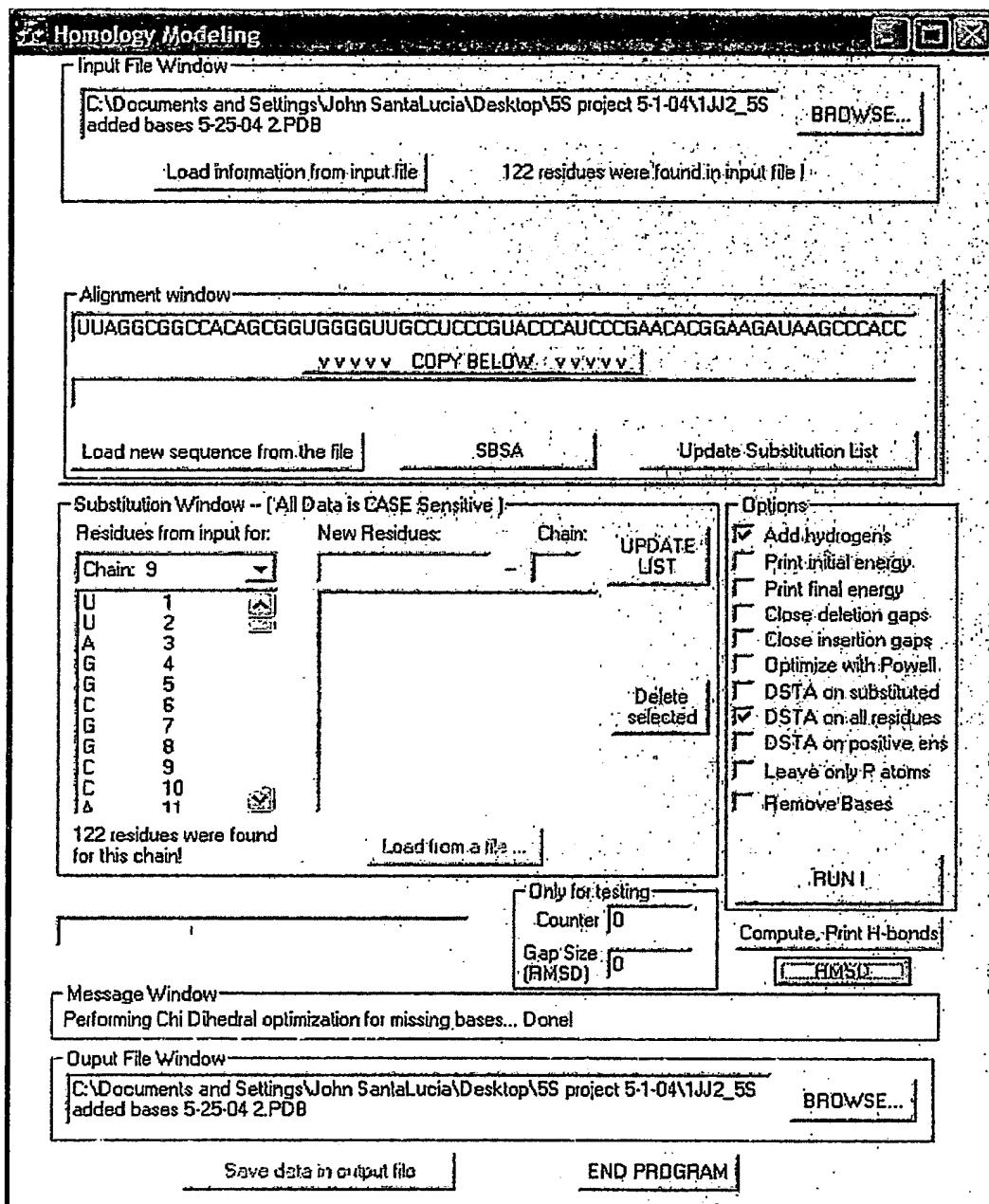


FIGURE 4

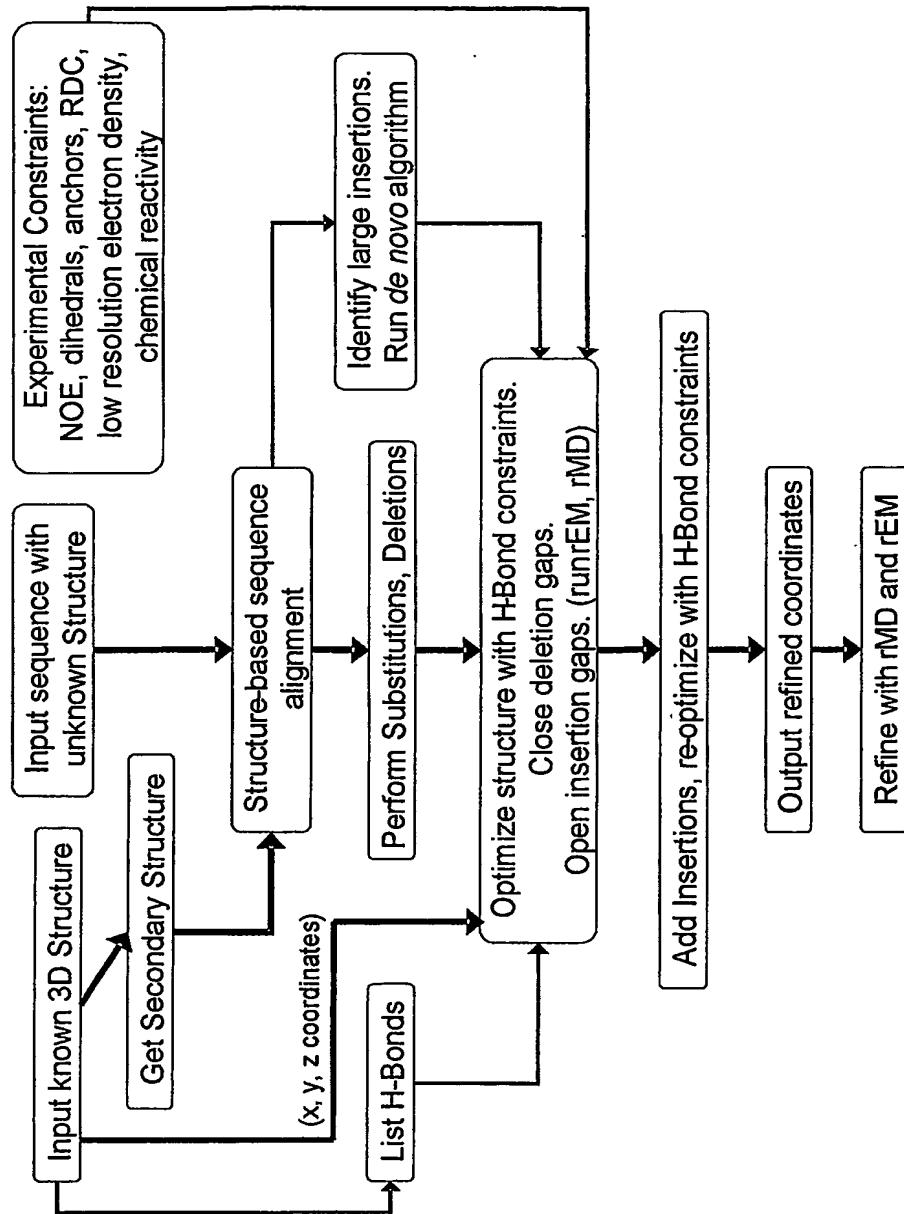


FIGURE 5

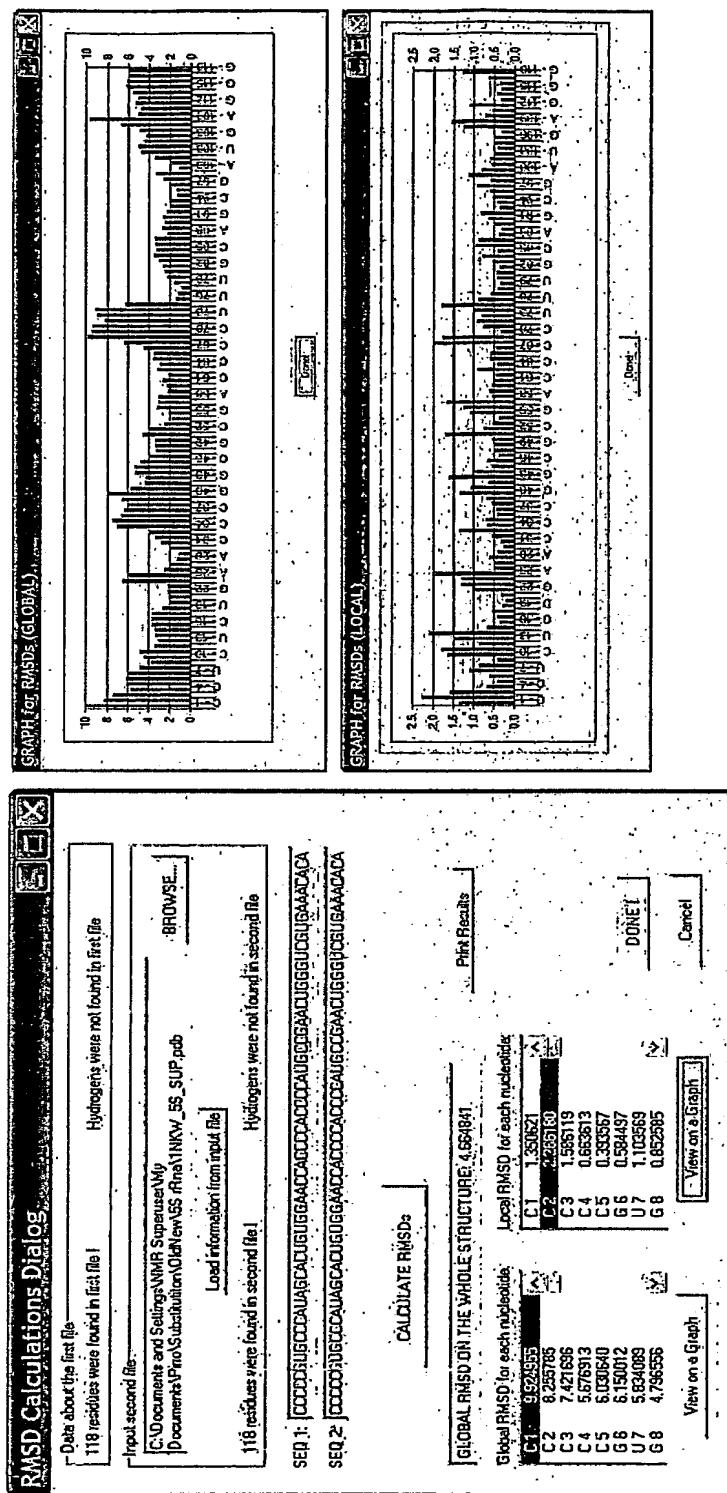


FIGURE 6

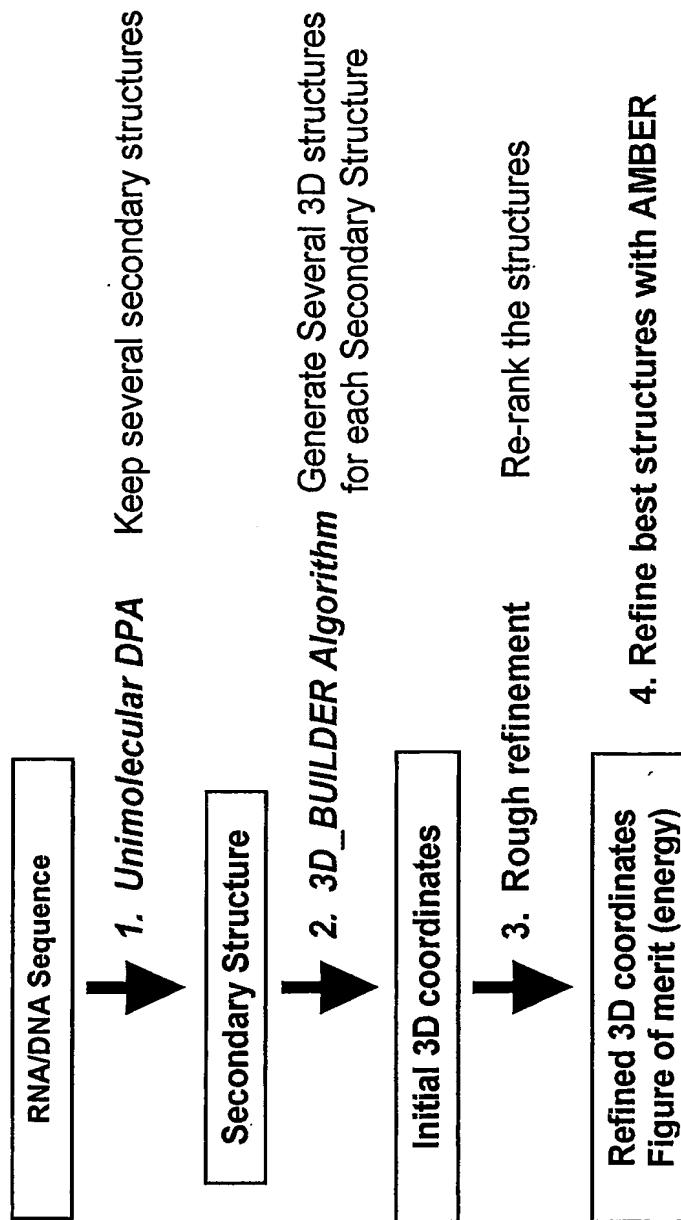


FIGURE 7

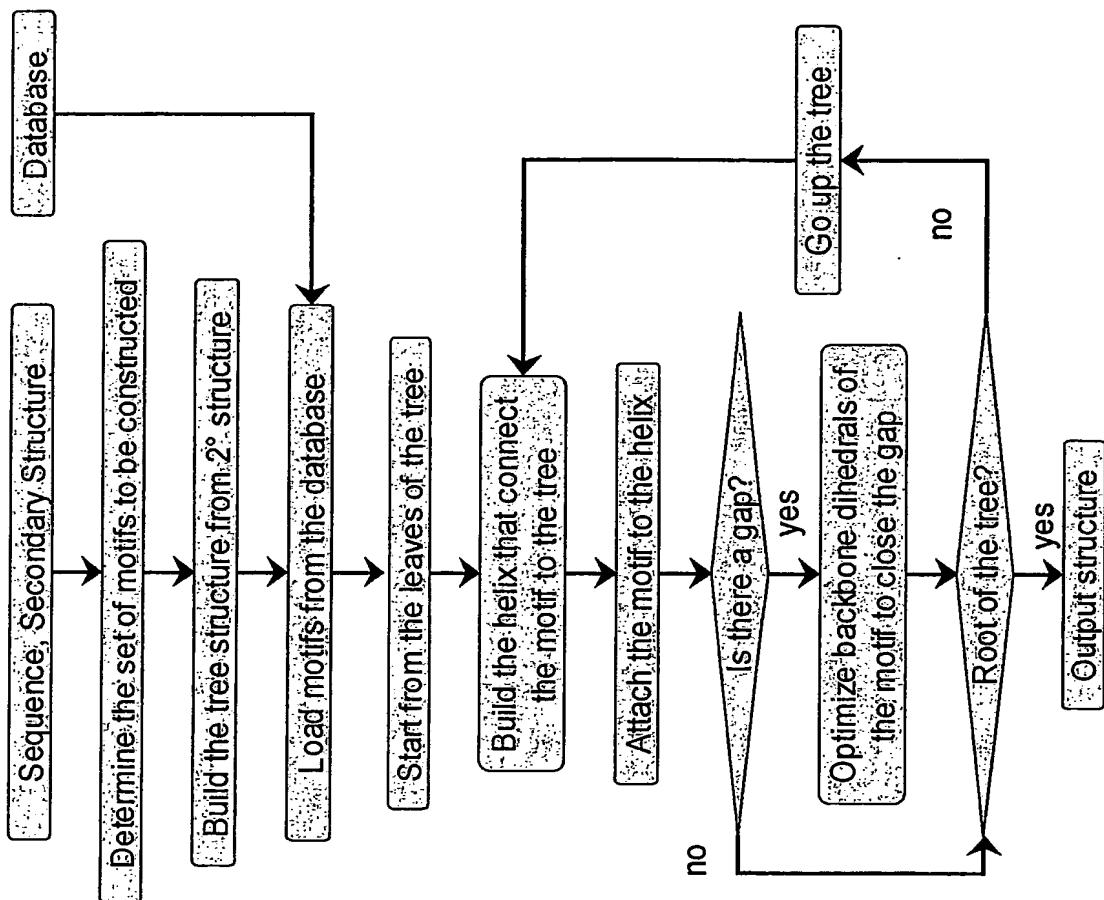


FIGURE 8

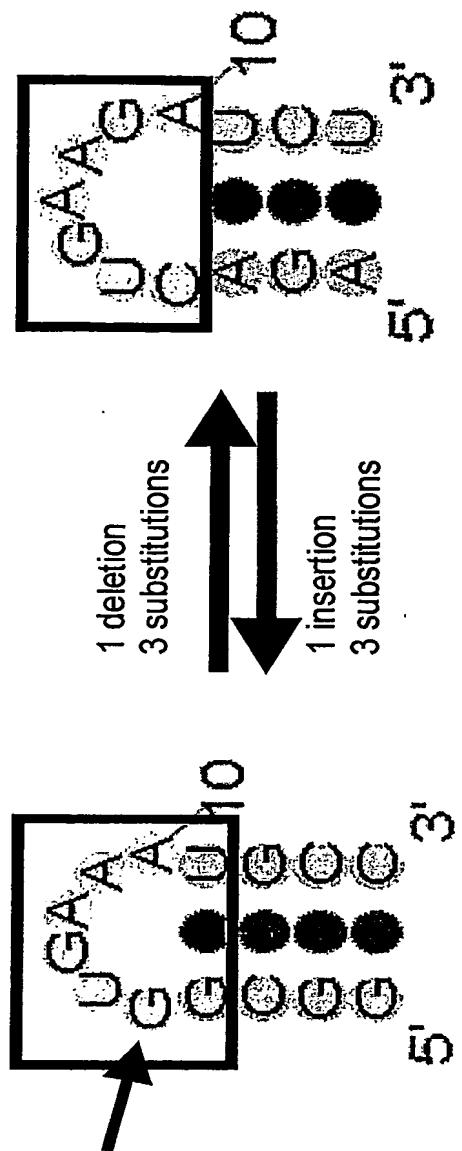


FIGURE 9

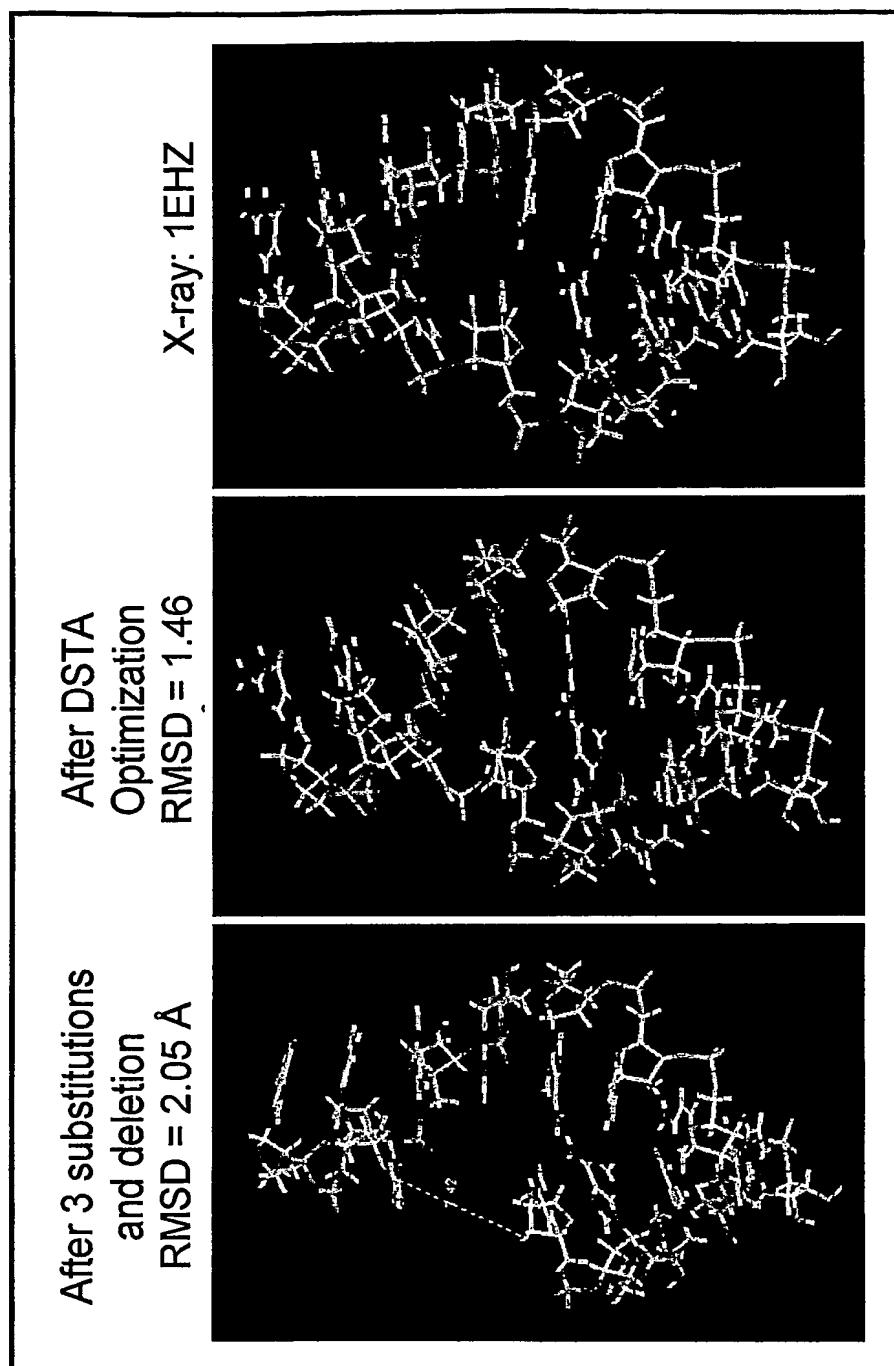


FIGURE 10

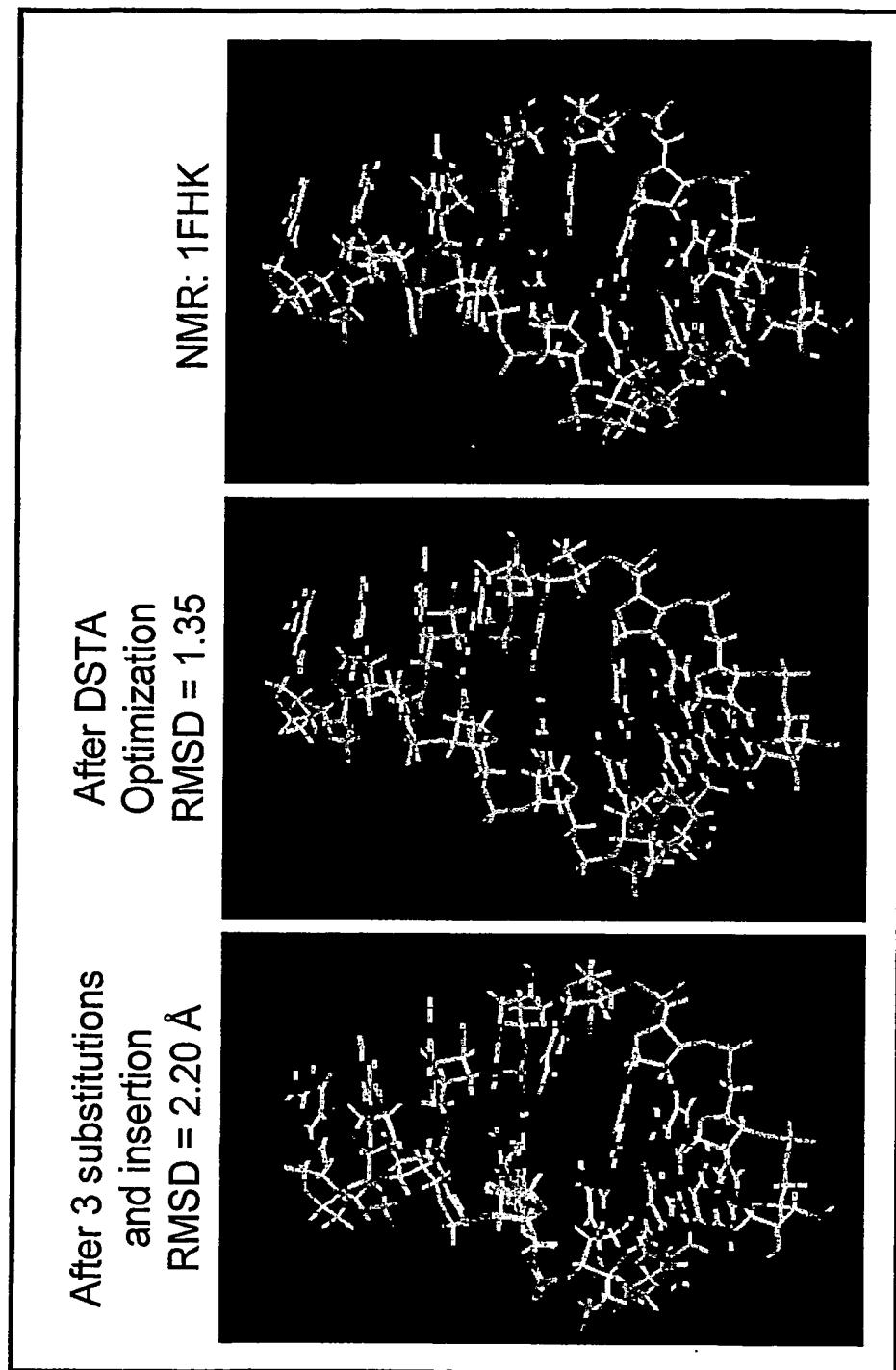


FIGURE 11

Motif type:	Hairpin	
Motif size:	3	
Sequences:	CUCAG, CUAGG	
Source:	1NWK	
Positions	331-333	
Resolution:	3.0	
ATOM	6145 P C 0 330	-42.207 137.234 85.023 1.00 48.85
ATOM	6146 O1P C 0 330	-43.221 138.159 84.459 1.00 48.85
ATOM	6147 O2P C 0 330	-41.551 136.236 84.137 1.00 48.85
ATOM	6148 O5* C 0 330	-41.069 138.098 85.722 1.00 48.85
ATOM	6149 C5* C 0 330	-41.357 138.842 86.901 1.00 48.85
ATOM	6150 C4* C 0 330	-40.085 139.347 87.534 1.00 48.85
ATOM	6151 O4* C 0 330	-39.275 138.237 88.009 1.00 48.85
ATOM	6152 C3* C 0 330	-39.142 140.097 86.615 1.00 48.85
ATOM	6153 O3* C 0 330	-39.580 141.430 86.387 1.00 48.85
ATOM	6154 C2* C 0 330	-37.842 140.026 87.402 1.00 48.85
ATOM	6155 O2* C 0 330	-37.815 140.934 88.486 1.00 48.85
ATOM	6156 C1* C 0 330	-37.898 138.592 87.935 1.00 48.85

FIGURE 12

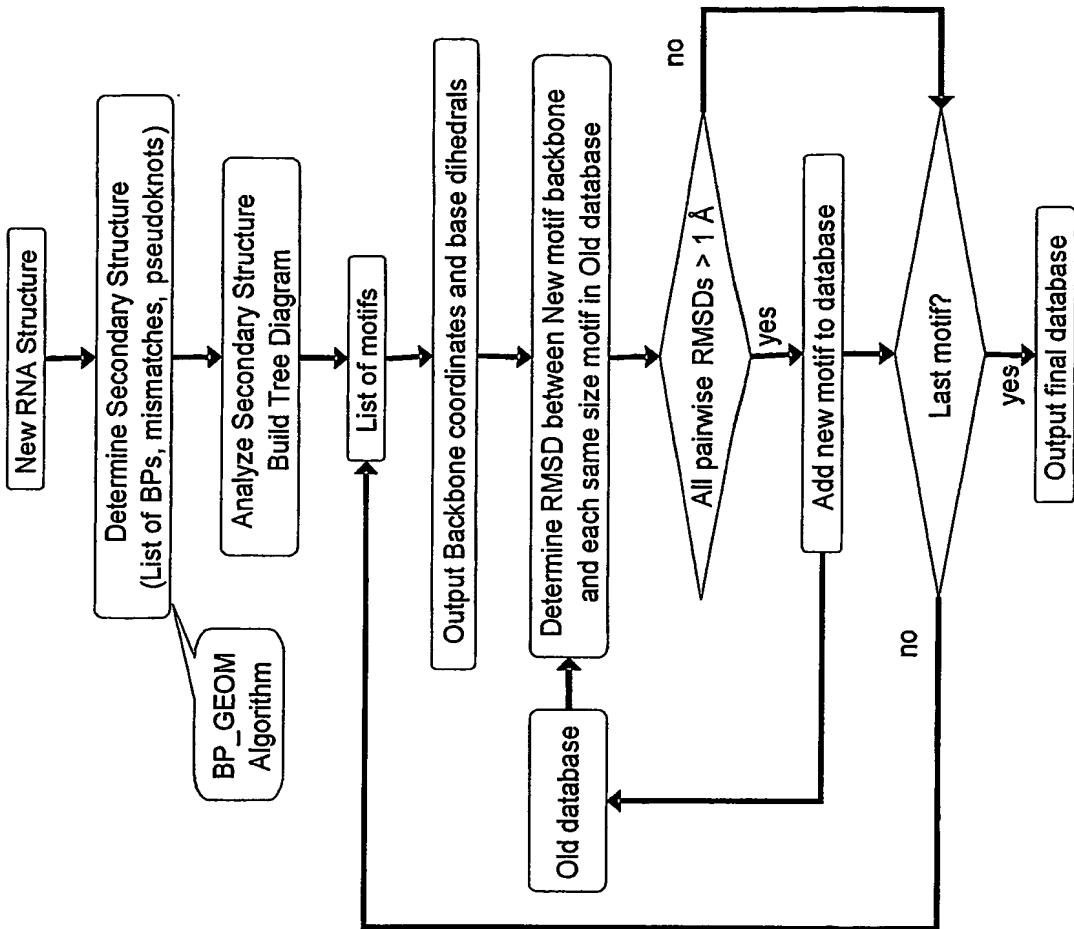


FIGURE 13

Table 1: Structured Motif Database

Hairpins ^{a,b,c,d,e}		Bulges ^{b,c,d,e}		Internal Loops ^{b,c,d,e}		Internal Loops ^{b,c,d,e}		Multiloops	
Length	Number	Length	Number	Length	Number	Length	Number	stems	Number
3	6	1	31	1x1	42	3x9	1	3	55
4	64	2	15	1x2	18	4x4	6	4	28
5	23	3	1	1x3	12	4x5	15	5	11
6	20	4	0	1x4	8	4x6	3	6	4
7	26	5	0	1x5	1	4x7	3	7	2
8	23	6	2	2x2	13	5x5	6	11	1
9	16	7	0	2x3	15	5x6	12		
10	11	8	0	2x4	7	5x7	7		
11	8	9	1	2x5	2	5x8	5		
12	6			2x6	2	6x6	4		
13	4			2x7	1	6x7	4		
14	0			3x3	17	7x7	3		
15	5			3x4	11	other	24		
19	1			3x5	5				
				3x6	4				
				3x7	5				

References for crystal structures

- a 1EHZ tRNAPhe
- b 1HR2 group I intron
- c 1J5E 16S rRNA *Thermus thermophilus*
- d 1JJ2 23S rRNA *Haloarcula marismortui*
- e 1NKW 23S rRNA *Deinococcus Radiodurans*

FIGURE 14

FIGURE 15

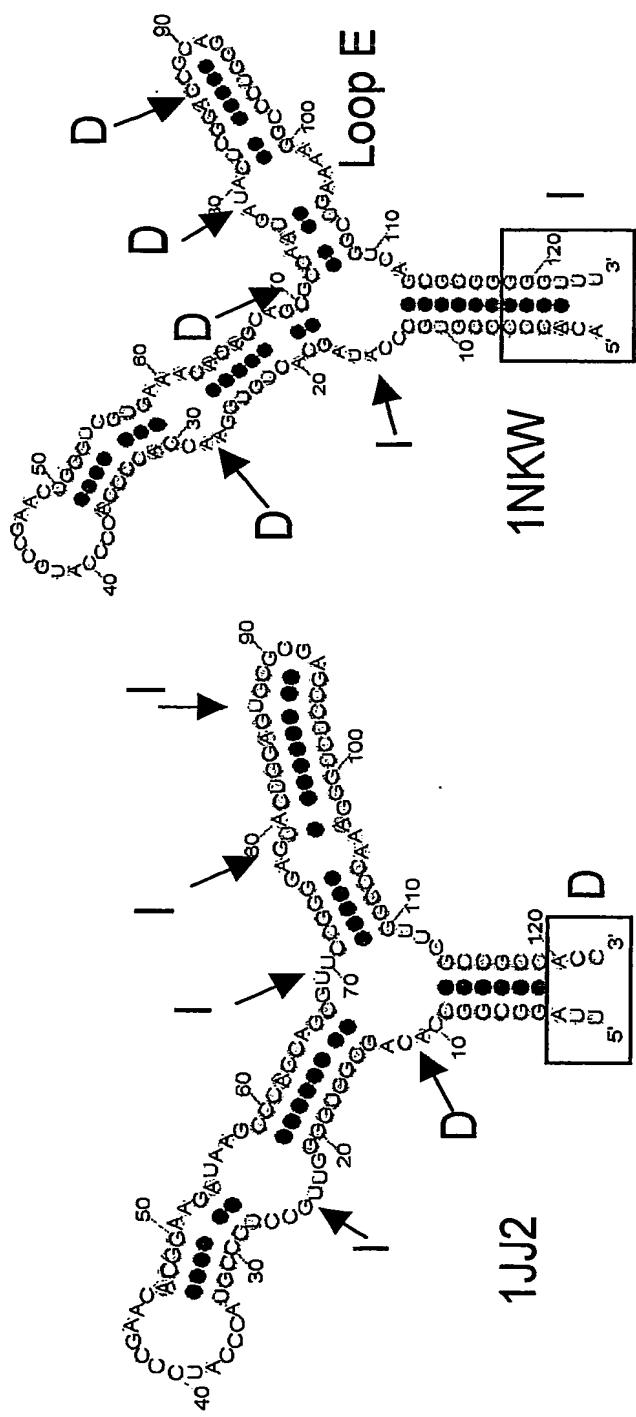


FIGURE 16

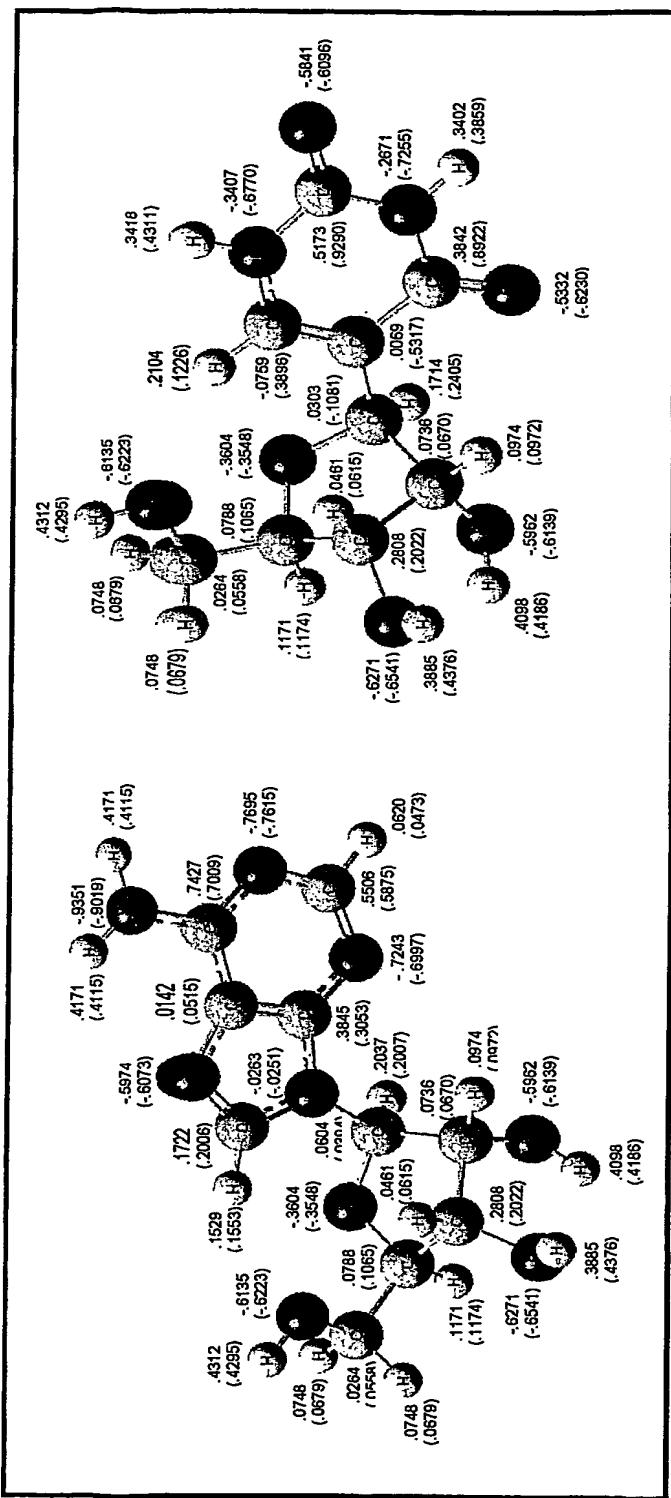


FIGURE 17

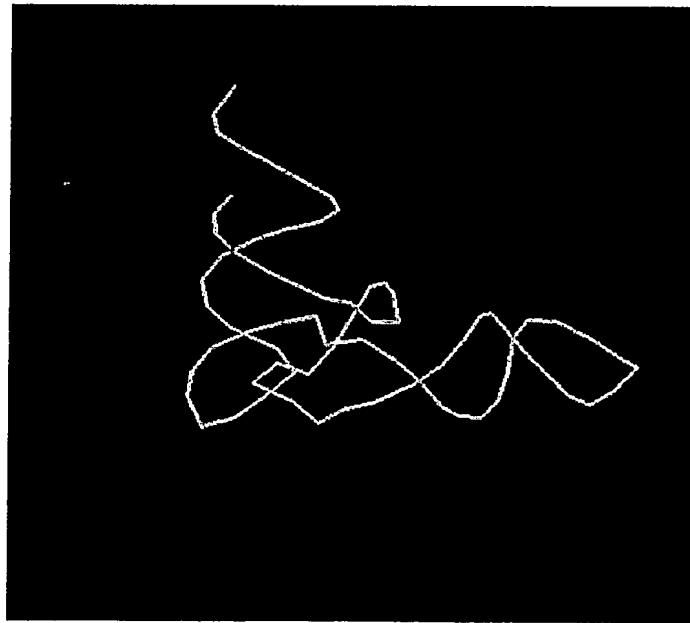
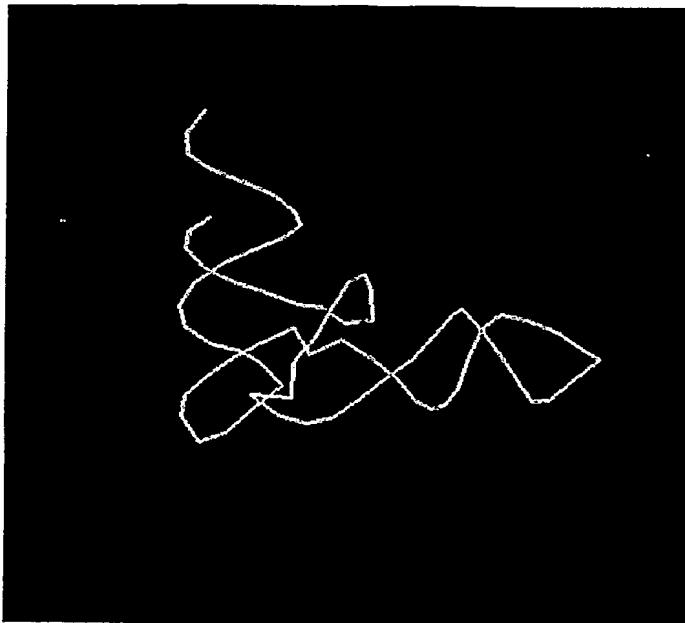


FIGURE 18

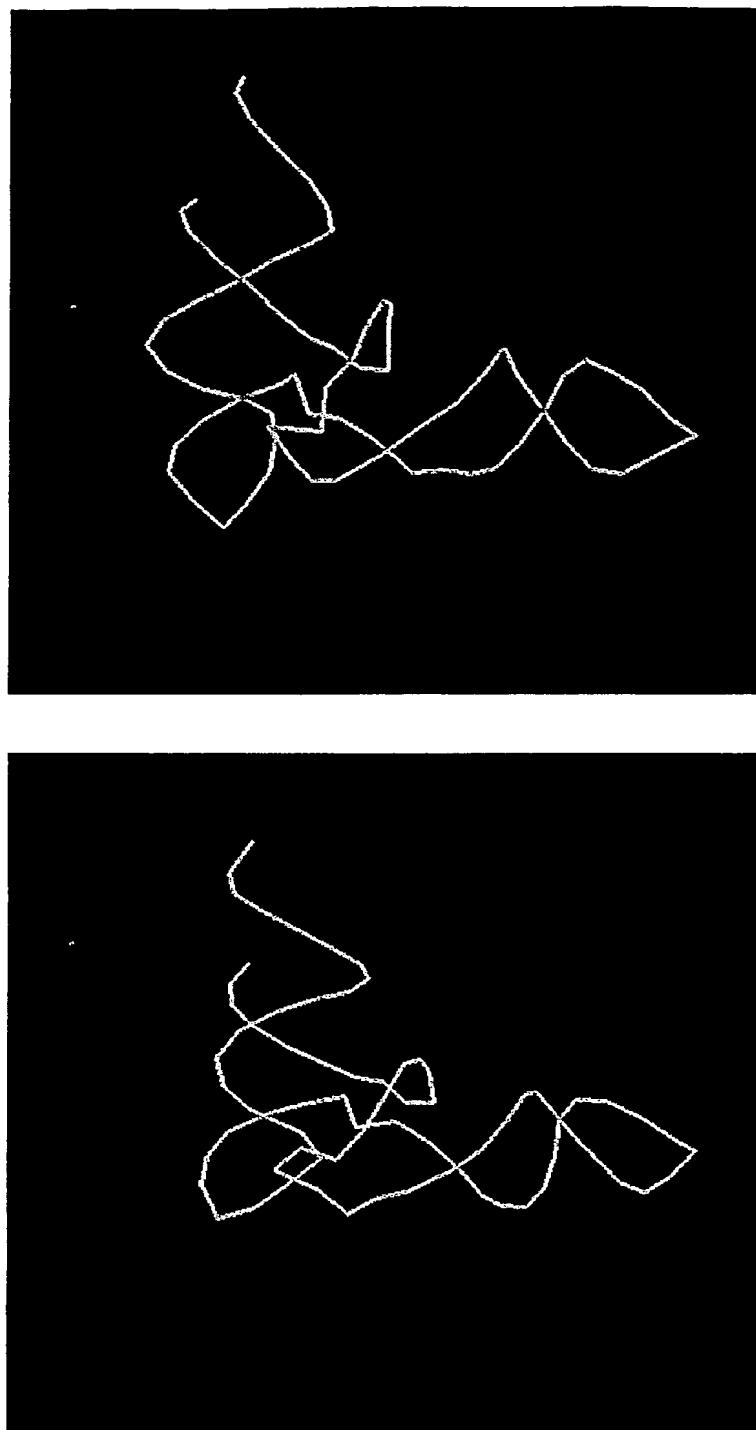


FIGURE 19

